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<110> RHODES, Simon J.
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      MEIER, Bradley C.
      PARKER, Gretchen E.
      PRICE, Jeffrey R.
      SHOWALTER, Aaron D.
      SLOOP, Kyle W.
<120> GENERATION OF DIAGNOSTIC TOOLS TO ASSAY THE HUMAN
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                                                 4.5
Ala Leu Asp Arg His Trp His Ser Lys Cys Leu Lys Cys Ser Asp Cys
His Thr Pro Leu Ala Glu Arg Cys Phe Ser Arg Gly Glu Ser Leu Tyr
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Leu Lys Ala Leu Asp Arg His Trp His Ser Lys Cys Leu Lys Cys Ser
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- Val Cys Lys Ala Asp Tyr Glu Thr Ala Lys Gln Arg Glu Ala Glu Ala 145 150 155 160
- Thr Ala Lys Arg Pro Arg Thr Thr Ile Thr Ala Lys Gln Leu Glu Thr 165 170 175
- Leu Lys Ser Ala Tyr Asn Thr Ser Pro Lys Pro Ala Arg His Val Arg 180 185 190
- Glu Gln Leu Ser Ser Glu Thr Gly Leu Asp Met Arg Val Val Gln Val 195 200 205
- Trp Phe Gln Asn Arg Arg Ala Lys Glu Lys Arg Leu Lys Lys Asp Ala 210 215 220
- Gly Arg Gln Arg Trp Gly Gln Tyr Phe Arg Asn Met Lys Arg Ala Arg 225 230 235 240
- Gly Gly Ser Lys Ser Asp Lys Asp Ser Val Gln Glu Glu Gly Gln Asp 245 250 255
- Ser Asp Ala Glu Val Ser Phe Thr Asp Glu Pro Ser Met Ala Glu Met 260 265 270
- Gly Pro Ala Asn Gly Leu Tyr Gly Gly Leu Gly Glu Pro Ala Pro Ala 275 280 285
- Leu Gly Arg Pro Ser Gly Ala Pro Gly Ser Phe Pro Leu Glu His Gly 290 295 300
- Gly Leu Ala Gly Pro Glu Gln Tyr Gly Glu Leu Arg Pro Ser Ser Pro 305 310 315 320
- Tyr Gly Val Pro Ser Ser Pro Ala Ala Leu Gln Ser Leu Pro Gly Pro 325 330 335
- Gln Pro Leu Ser Ser Leu Val Tyr Pro Glu Ala Gly Leu Gly Leu 340 345 350
- Val Pro Ala Gly Pro Pro Gly Gly Pro Pro Pro Met Arg Val Leu Ala 355 360 365
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Lys Cys Leu Gln Cys Ser Glu Cys His Gly Gln Leu Asn Asp Lys Cys
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Tyr Gly Thr Lys Cys Ser Ala Cys Asp Met Gly Ile Pro Pro Thr Gln
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Cys Ala Met Cys Ser Arg Thr Leu Asn Thr Gly Asp Glu Phe Tyr Leu
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Ala Lys Gly Leu Tyr Leu Asp Gly Ser Leu Asp Gly Asp Gln Pro Asn
Lys Arg Pro Arg Thr Thr Ile Thr Ala Lys Gln Leu Glu Thr Leu Lys
Thr Ala Tyr Asn Asn Ser Pro Lys Pro Ala Arg His Val Arg Glu Gln
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Gln Asn Arg Arg Ala Lys Glu Lys Arg Leu Lys Lys Asp Ala Gly Arg
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Leu Gly Leu Asp Glu Gly Ala Ser Pro His Ser Ile Arg Gly Ser Tyr 290 295 300

Met His Gly Ser Ser Ser Pro Ser Gln Tyr Pro Pro Ser Ser Arg Ser 305 310 315

Pro Pro Pro Val Gl; Gln Cly His Thr Phe Gly Ser Tyr Pro Asp Asn 325 330 335

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Ser Lys Ala His His Arg Leu His Ser Ser Asn Asn Val Ser Asp Leu 355 360 365

Ser Asn Asp Ser Ser Pro Asp Gln Gly Tyr Pro Asp Phe Pro Pro Ser 370 380

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Lys Cys Ala Asp Cys Gln Met Gln Leu Ala Asp Arg Cys Phe Ser Arg 35 40 45

Ala Gly Ser Val Tyr Cys Lys Glu Asp Phe Phe Ly: Arg Phe Gly Thr 50 55 60

Lys Cys Thr Ala Cys Gln Gln Gly Ile Pro Pro Thr Gln Val Val Arg

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Lys Ala Gln Asp Phe Val Tyr His Leu His Cys Phe Ala Cys Ile Ile 85 90 95

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GIY Arg Leu Val Cys Lys Glu Asp Tyr Glu Thr Ala Lys Gln Asn Asp

Asp Ser Glu Ala Gly Ala Lys Arg Pro Arg Thr Thr Ile Thr Ala Lys 130 135 140

Gln Leu Glu Thr Leu Lys Asn Ala Tyr Lys Asn Ser Pro Lys Pro Ala 145 150 155 160

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Val Val Gln Val Trp Phe Gln Asn Arg Arg Ala Lys Glu Lys Arg Leu 180 185 190

Lys Lys Asp Ala Gly Arg His Arg Trp Gly Gln Phe Tyr Lys Ser Val 195 200 205

Lys Arg Ser Arg Gly Gly Ser Lys Gln Glu Lys Glu Ser Ser Ala Glu 210 215 220

Asp Cys Gly Val Ser Asp Ser Glu Leu Ser Phe Arg Glu Asp Gln Ile 225 230 235 240

Leu Ser Glu Leu Gly His Thr Asn Arg Ile Tyr Gly Asn Val Gly Asp 245 250 255

Val Thr Gly Gly Gln Leu Met Asn Gly Ser Phe Ser Met Asp Gly Thr 260 265 270

Gly Gln Ser Tyr Gln Asp Leu Arg Asp Gly Ser Pro Tyr Gly Ile Pro 275 280 285

Gln Ser Pro Ser Ser Ile Ser Ser Leu Pro Ser His Ala Pro Leu Leu 290 295 300

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cacaggagct gggag
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acattaggta cttagctaat taaatgtg
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<211> 28
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<400> 84
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ggacaaggac agcgttcag
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tacgaggtga cccagaactt
                                                                     20
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cctggccttg gtgattgtga
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gctgccgcgc ctcaccgct
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aggagtccac taactccatg	20
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